Punnet Square: The Potters

Question 1: Harry has dark/brown hair like his father, but his mom had red hair. Using the genotypes of rr, Rr, and RR, what possible genotypes does each of the Potters have?

The phenotypes of the Potters are:

James Potter (dad)—dark/brown hair

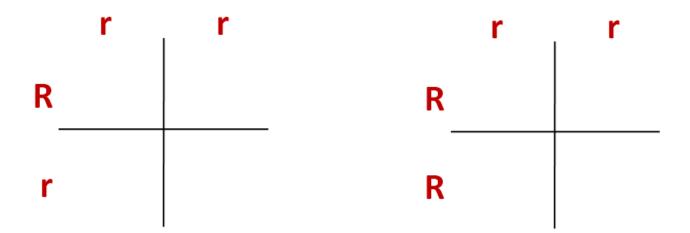
Lily Potter (mom)—red hair

Harry Potter—dark/brown hair

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Using the genotypes of rr, Rr, and RR, what are possible genotypes for Harry's parents?

- Mom-Lily (red hair) = rr
- Dad-James (dark hair) = Rr or RR



The parents' genotypes lead to 2 Punnett Squares.

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Given Harry's parents' possible genotypes, the two Punnett Squares can be completed as follows:

	r	r		r	r
R	Rr	Rr	R F	Rr	Rr
r	rr	rr	RF	₹r	Rr

The **only possible** genotype for Harry's dark hair is **Rr**.